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What is claimed is:

1. A method of driving an EL display device in which a plurality of pixels, each having a first TFT, a second TFT, a third TFT, and an organic EL element, are formed,

wherein:

n + m display periods (where n and m are both natural numbers) appear in one frame period;

the n + m display periods each correspond to one bit of a digital video signal among n bits of the digital video signal;

a plurality of display periods, among the n ÷ m display periods. correspond to the same bit of the digital video signal;

other display periods corresponding to other bits of the digital video signal, among the $n \div m$ display periods, appear between the plurality of display periods;

for each of the n Am display periods, the corresponding bit of the digital video signal is input to a gate electrode of the second TFT by the first TFT turning on, and the respective display periods begin by the third TFT turning off:

after each of the n + m display periods begins, the respective display periods are completed by the beginning of another display period, or by the third TFT turning on; and

the organic EL element emits light when the second TFT is turned on, and does not emit light when the second TFT is turned off.

2. A method according to claim 1, wherein the first TFT and the second TFT have the same polarity.

3. A method according to claim 1, wherein Tr_1 , Tr_2 , Tr_3 , ..., $Tr_{n-1} = 2^0$, 2^1 , 2^2 , ..., 2^{n-2} , 2^{n-1} , where the lengths of the display periods, among the n + m display periods, corresponding to respective bits of the digital video signal are taken as Tr_1 , Tr_2 , Tr_3 , ..., Tr_{n-1} , Tr_n .

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A method according to claim 1, wherein the first TFT functions as a switching TFT, the second TFT functions as a EL driver TFT, and the third TFT functions as a erasing TFT.

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5. A method of driving an EL display device in which a plurality of pixels, each having a first TFT, a second TFT, a third TFT, and an organic EL element, are formed, wherein:

n + m display periods (where n and m are both natural numbers) appear in one frame period;

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the n + m display periods each correspond to one bit of a digital video signal among n bits of the digital video signal;

a plurality of display periods, among the n + m display periods. correspond to the most significant bit of the digital video signal:

other display periods corresponding to other bits of the digital video signal, among the n + m display periods, appear between the plurality of display periods;

for each of the n + m display periods, the corresponding bit of the digitalvideo signal is input to a gate electrode of the second TFT by the first TFT turning on. and the respective display periods begin by the third TFT turning off:

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after each of the n + m display periods begins, the respective display periods are completed by the beginning of another display period, or by the third TFT turning on; and

the organic EL element emits light when the second TFT is turned on, and

does not emit light when the second TFT is turned off.

6. A method according to claim 5, wherein the first TFT and the second TFT have the same polarity

7. A method according to claim 5, wherein Tr_1 , Tr_2 , Tr_3 , ..., $Tr_{n-1} = 2^0$, 2^1 , 2^2 , ..., 2^{n-2} , 2^{n-1} , where the lengths of the display periods, among the n + m display periods. corresponding to respective bits of the digital video signal are taken as Tr_1 , Tr_2 , Tr_3 ,

8. A method according to claim 5, wherein the first TFT functions as a switching TFT, the second TFT functions as a EL driver TFT, and the third TFT functions as a erasing TFT.

9. A method of driving an EL display device in which a plurality of pixels. each20 having a first TFT, a second TFT, a third TFT, and an organic EL element, are formed.wherein:

n + m display periods (where n and m are both natural numbers) appearing one frame period;

the n + m display periods each correspond to one bit of a digital video
signal among n bits of the digital video signal:

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periods among the n + m display periods;

other display periods corresponding to other bits of the digital video signal, among the n + m display periods, appear between the plurality of display periods;

for each of the n+m display periods, the corresponding bit of the digital video signal is input to a gate electrode of the second TFT by the first TFT turning on, and the respective display periods begin by the third TFT turning off;

after each of the n + m display periods begins, the respective display

periods are completed by the beginning of another display period, or by the third TFT turning on; and

the organic EL element emits light when the second TFT is turned on, and does not emit light when the second TFT is turned off.

15 10. A method according to claim 9, wherein the first TFT and the second TFT have the same polarity.

11. A method according to claim 9, wherein Tr_1 , Tr_2 , Tr_3 , ..., $Tr_{n-1} = 2^0$, 2^1 , 2^2 , ..., 2^{n-2} , 2^{n-1} , where the lengths of the display periods, among the n + m display periods. corresponding to respective bits of the digital video signal are taken as Tr_1 , Tr_2 , Tr_3 , ..., Tr_{n-1} , Tr_n .

12. A method according to claim 9, wherein the first TFT functions as a switching TFT, the second TFT functions as a EL driver TFT. and the third TFT functions as a erasing TFT.



13. A method of driving an EL display device in which a plurality of pixels, each having a first TFT, a second TFT and an organic EL element, are formed, wherein:

n + m display periods (where n and m are both natural numbers) appear in one frame period:

the n + m display periods each correspond to one bit of a digital video signal among n bits of the digital video signal;

a plurality of display periods, among the n + m display periods, correspond to the same bit of the digital video signal;

other display periods corresponding to other bits of the digital video signal, among the n + m display periods, appear between the plurality of display periods;

for each of the h + m display periods, the corresponding bit of the digital video signal is input to a gate electrode of the second TFT by the first TFT turning on:

after each of the n+ m display periods begins, the respective display

periods are completed by the beginning of another display period: and

the organic EL element emits light when the second TFT is turned on, and does not emit light when the second TFT is turned off.

14. A method according to claim 13, wherein the first TFT and the second TFThave the same polarity.

15. A method according to claim 13, wherein Tr_1 , Tr_2 , Tr_3 , ..., $Tr_{n-1} = 2^0$, 2^1 , 2^2 , ..., 2^{n-2} , 2^{n-2} , where the lengths of the display periods, among the n-m display periods, corresponding to respective bits of the digital video signal are taken as Tr_1 , Tr_2 , Tr_3 ,

25 Tr_{n-1} , Tr_n .

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16. A method according to claim 13, wherein the first TFT functions as a switching TFT and the second TFT functions as a EL driver TFT.

17. A method of driving an EL display device in which a plurality of pixels, each having a first TFT, a second TFT, and an organic EL element, are formed, wherein:

n + m display periods (where n and m are both natural numbers) appear in one frame period;

the n + m display periods each correspond to one bit of a digital video signal among n bits of the digital video signal;

a plurality of display periods, among the n + m display periods, correspond to the most significant bit of the digital video signal;

other display periods corresponding to other bits of the digital video signal, among the n + m display periods, appear between the plurality of display periods;

for each of the n + m display periods, the corresponding bit of the digital video signal is input to a gate electrode of the second TFT by the first TFT turning on;

after each of the n + m display periods begins, the respective display periods are completed by the beginning of another display period; and

the organic EL element emits light when the second TFT is turned on, and does not emit light when the second TFT is turned off.

18. A method according to claim 17, wherein the first TFT and the second TFT have the same polarity.

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19. A method according to claim 17, wherein $Tr_1, Tr_2, Tr_3, ..., Tr_{n-1} = 2^0, 2^1, 2^2, ...$ 2^{n-2} , 2^{n-1} , where the lengths of the display periods, among the n + m display periods. corresponding to respective bits of the digital video signal are taken as Tr₁, Tr₂, Tr₃, Tr_{n-1} , Tr_n .

20. A method according to claim 17, wherein the first TFT functions as a switching NFT and the second TFT functions as a EL driver TFT.

21. A method of driving an EL display device in which a plurality of pixels. each having a first TFT, a second TFT, and an organic EL element. are formed, wherein:

n + m display periods (where n and m are both natural numbers) appear in one frame period;

the n + m display periods each correspond to one bit of a digital video signal among n bits of the digital video signal;

upper bits of the digital video signal correspond to a plurality of display periods among the n + m display periods;

other display periods corresponding to other bits of the digital video signal, among the n + m display periods, appear between the plurality of display periods;

for each of the n + m display periods, the corresponding bit of the digital video signal is input to a gate electrode of the second TFT by the first TFT turning on:

after each of the n + m display periods begins, the respective display periods are completed by the beginning of another display period: and

the organic EL element emits light when the second TFT is turned on. and does not emit light when the second TFT is turned off.

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22. A method according to claim 21, wherein the first TFT and the second TFT have the same polarity.

23. A method according to claim 21, wherein Tr_1 , Tr_2 , Tr_3 , ..., $Tr_{n-1} = 2^0$, 2^1 , 2^2 , 2^{n-2} , 2^{n-2} , where the lengths of the display periods, among the n+m display periods. corresponding to respective bits of the digital video signal are taken as Tr_1 , Tr_2 , Tr_3 , ..., Tr_{n-1} , Tr_n .

24. A method according to claim 21, wherein the first TFT functions as a switching TFT and the second TFT functions as a EL driver TFT.

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